



Freeform Search

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	IBM Technical Disclosure Bulletins

Term:	L24 and covalent bond		
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☐ 1. Document ID: US 6860393 B2

L25: Entry 1 of 10

File: USPT

Mar 1, 2005

US-PAT-NO: 6860393

DOCUMENT-IDENTIFIER: US 6860393 B2

TITLE: Filter device and filter element comprising at least one negatively charged membrane

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hou; Chung-Jen	Pensacola	FL		
Konstantin; Peter	Boulder	CO		
Yang; Yujing	Newton	MA		

US-CL-CURRENT: 210/435; 210/483, 210/490, 210/493.1, 210/497.01, 210/497.1, 210/500.35, 210/500.38, 210/500.41, 210/512.1, 264/41, 427/244

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 2. Document ID: US 6783937 B1

L25: Entry 2 of 10

File: USPT

Aug 31, 2004

US-PAT-NO: 6783937

DOCUMENT-IDENTIFIER: US 6783937 B1

TITLE: Negatively charged membrane

DATE-ISSUED: August 31, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hou; Chung-Jen	Pensacola	FL		
Konstantin; Peter	Heinade			DE
Yang; Yujing	Pensacola	FL		

US-CL-CURRENT: 435/6; 210/483, 210/490, 210/500.35, 210/500.38, 210/500.41, 264/41, 427/244, 435/180, 435/4, 436/86, 436/94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K000C	Draw D
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☐ 3. Document ID: US 5683916 A

L25: Entry 3 of 10

File: USPT

Nov 4, 1997

US-PAT-NO: 5683916

DOCUMENT-IDENTIFIER: US 5683916 A

**** See image for Certificate of Correction ****

TITLE: Membrane affinity apparatus and purification methods related thereto

DATE-ISSUED: November 4, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goffe; Randal A.	Medway	MA		
Zale; Stephen E.	Marlborough	MA		
O'Connor; James L.	Chelmsford	MA		
Kessler; Stephen B.	Princeton	MA		

US-CL-CURRENT: 436/535, 210/198.3, 210/500.21, 210/500.23, 210/500.41, 210/638,
210/656, 435/180, 435/181, 435/182, 435/287.1, 435/287.2, 435/288.1, 435/6,
436/161, 436/178, 436/518, 436/531, 436/532, 530/413, 530/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K000C	Draw D
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☐ 4. Document ID: US 5543054 A

L25: Entry 4 of 10

File: USPT

Aug 6, 1996

US-PAT-NO: 5543054

DOCUMENT-IDENTIFIER: US 5543054 A

TITLE: Method and apparatus for covalent immobilization of charge- conjugated carbohydrate molecules

DATE-ISSUED: August 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Charkoudian; John	Carlisle	MA		
Pluskal; Malcolm	Acton	MA		
Wang; David	Lexington	MA		
Phoebe; Charles	Uxbridge	MA		

US-CL-CURRENT: 210/638, 204/462, 210/500.36, 210/500.37, 210/500.41, 210/502.1,
210/506, 436/172, 436/178, 436/94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 5. Document ID: US 5389449 A

L25: Entry 5 of 10

File: USPT

Feb 14, 1995

US-PAT-NO: 5389449

DOCUMENT-IDENTIFIER: US 5389449 A

TITLE: Sulfonamide bonded hydrophilic coatings

DATE-ISSUED: February 14, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Afeyan; Noubar B.	Brookline	MA		
Hodjat; Hossein K.	Jamaica Plain	MA		
Varady; Laszlo	Malden	MA		

US-CL-CURRENT: 428/523; 210/198.2, 210/500.34, 210/500.38, 210/500.41, 210/502.1,
210/635, 210/656, 428/403, 428/407, 428/521, 502/402, 521/31, 521/32, 521/33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 6. Document ID: US 5024765 A

L25: Entry 6 of 10

File: USPT

Jun 18, 1991

US-PAT-NO: 5024765

DOCUMENT-IDENTIFIER: US 5024765 A

TITLE: Composite membranes and processes using them

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Linder; Charles	Rehovot			IL
Perry; Mordechai	Petach Tikva			IL
Nemas; Mara	Neve Monosson			IL
Katraro; Reuven	Rishon Lezion			IL

US-CL-CURRENT: 210/651; 210/490, 210/500.41, 210/654

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 7. Document ID: US 4839203 A

L25: Entry 7 of 10

File: USPT

Jun 13, 1989

US-PAT-NO: 4839203

DOCUMENT-IDENTIFIER: US 4839203 A

**** See image for Certificate of Correction ****

TITLE: Semi-permeable membranes prepared via reaction of cationic groups with nucleophilic groups

DATE-ISSUED: June 13, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davis; Thomas E.	Lafayette	CA		
Schmidt; Donald L.	Midland	MI		
Kau; Jee I.	Concord	CA		
Wessling; Ritchie A.	Midland	MI		
Whipple; Sharon S.	Sanford	MI		
Fibiger; Richard F.	Midland	MI		
Pickelman; Dale M.	Auburn	MI		

US-CL-CURRENT: 427/244; 210/500.27, 210/500.41, 427/393.5, 427/399, 427/412.1, 96/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 8. Document ID: US 4720345 A

L25: Entry 8 of 10

File: USPT

Jan 19, 1988

US-PAT-NO: 4720345

DOCUMENT-IDENTIFIER: US 4720345 A

TITLE: Semipermeable membranes of modified styrene-based polymers, process for their manufacture and their use

DATE-ISSUED: January 19, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Linder; Charles	Rehovot			IL
Aviv; Gershon	Tel Aviv			IL
Perry; Mordechai	Petach Tikvah			IL
Kotraro; Reuven	Rehovot			IL

US-CL-CURRENT: 210/650; 210/500.29, 210/500.34, 210/500.37, 210/500.38, 210/500.41, 210/500.42, 210/654

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 9. Document ID: US 4690766 A

L25: Entry 9 of 10

File: USPT

Sep 1, 1987

US-PAT-NO: 4690766

DOCUMENT-IDENTIFIER: US 4690766 A

TITLE: Chemically modified semipermeable polysulfone membranes and their use in reverse osmosis and ultrafiltration

DATE-ISSUED: September 1, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Linder; Charles	Rehovot			IL
Aviv; Gershon	Tel Aviv			IL
Perry; Mordechai	Petach Tikvah			IL
Kotraro; Reuven	Rehovot			IL

US-CL-CURRENT: 210/654; 210/500.28, 210/500.29, 210/500.33, 210/500.37, 210/500.38, 210/500.39, 210/500.41, 210/500.42

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 10. Document ID: US 4690765 A

L25: Entry 10 of 10

File: USPT

Sep 1, 1987

US-PAT-NO: 4690765

DOCUMENT-IDENTIFIER: US 4690765 A

**** See image for Certificate of Correction ****

TITLE: Chemically modified semipermeable membranes and their use in reverse osmosis and ultrafiltration

DATE-ISSUED: September 1, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Linder; Charles	Rehovot			IL
Aviv; Gershon	Tel Aviv			IL
Perry; Mordechai	Petach Tikvah			IL
Kotraro; Reuven	Rehovot			IL

US-CL-CURRENT: 210/654; 210/500.28, 210/500.29, 210/500.33, 210/500.37, 210/500.38, 210/500.39, 210/500.41, 210/500.42

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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wherein R.sub.1, R.sub.2 and R.sub.3 have the meanings indicated in claim 1.

18. A membrane according to claim 1, wherein said modified polysulfone is supported as thin film by a porous support.

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